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To: U.S. Patent and Trademark Office**Facsimile:** (703) 872-9306**From:** Robert E. Scheid - Reg. No. 42,126**Date:** August 16, 2004

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Re: U.S. Patent Application Serial No.: 10/674,085
For: METHOD FOR GENERATING CONSTRAINED COMPONENT PLACEMENT
 FOR INTEGRATED CIRCUITS AND PACKAGES
By: Elias FALLON et al.
Filed: September 29, 2003
Art Unit: N/A
Examiner: Not Yet Assigned
Our Reference: 188122003600

ATTACHED DOCUMENTS:

1. Transmittal (1 page)
2. Power of Attorney document (1 page) and
3. Statement Under 37 CFR 3.73(b) and copy of Assignment documents (3 pages)

COMMENTS:

Please see attached documents. Thank you.

PTO/SB/21 (08-05)

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/674,085
		Filing Date	September 29, 2003
		First Named Inventor	Elias FALLON
		Art Unit	Unknown
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	5	Attorney Docket Number	188122003600

ENCLOSURES (Check all that apply)

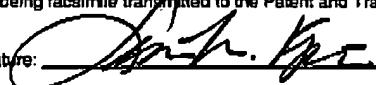
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address (1 page) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Statement Under 37 C.F.R. § 3.73(b) with copy of Assignment (3 pages)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER, LLP (Customer No. 20872) Robert E. Scheid - Reg. No. 42,126
Signature	
Date	August 16, 2004

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 672-8306, on the date shown below.

Dated: August 16, 2004

Signature:  (Leah M. Kjellén)

sf-1731087

PAGE 2/6 * RCVD AT 8/16/2004 7:15:40 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/4 * DNIS:8729306 * CSID: * DURATION (mm:ss):02:20

PTO/SB/82 (06-03)

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REVOCATION OF POWER OF ATTORNEY and APPOINTMENT OF NEW POWER OF ATTORNEY	Application Number	10/674,085
	Filing Date	September 29, 2003
	First Named Inventor	Elias FALLON
	Art Unit	Unknown
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	188122003600

I hereby revoke all previous powers of attorney given in the above-identified application:

 A Power of Attorney is submitted herewith.**OR** I hereby appoint the practitioners at Customer Number:

20872

 Please change the correspondence address for the above-identified application to: The address associated with Customer Number:

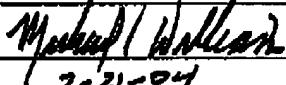
20872

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City			
Country	State	Zip	
Telephone	Fax		

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name	Michael J. Williams, Vice President and Associate General Counsel		
Signature			
Date	7-21-04	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

*Total of 1 forms are submitted.

SF-1731080

PAGE 3/6 * RCVD AT 8/16/2004 7:15:40 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/4 * DNIS:8729306 * CSID: * DURATION (mm:ss):02:20

FTO/SB/88 (08-03)

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Elias FALLON et al.Application No./Patent No.: 10/674,085 Filed/Issue Date: September 29, 2003Entitled: **METHOD FOR GENERATING CONSTRAINED COMPONENT PLACEMENT FOR
INTEGRATED CIRCUITS AND PACKAGES**

Cadence Design System, Inc.

, a Delaware Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____ Frame _____, or for which a copy thereof is attached.

OR

B. [X] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Elias FALLON et al. To: Neolinear, Inc.
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: Neolinear, Inc. To: Cadence Design System, Inc.
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.
 [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

7-21-04

Date

Michael J. Williams

Typed or printed name

Telephone Number

Signature

Vice President and Associate General Counsel

Title

sf-1731085

PAGE 4/6 * RCVD AT 8/16/2004 7:15:40 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/4 * DNI:8729306 * CSID: * DURATION (mm:ss):02:20

ASSIGNMENT

WHEREAS, We, Elias Fallon and Rob A. Rutenbar, residing at:

Elias Fallon
4212 Millington Road
Pittsburgh, Pennsylvania 15217
County: Allegheny
Citizenship: USA

Rob A. Rutenbar
1547 Shady Avenue
Pittsburgh, Pennsylvania 15217
County: Allegheny
Citizenship: USA

have invented certain new and useful improvements entitled "METHOD FOR GENERATING CONSTRAINED COMPONENT PLACEMENT FOR INTEGRATED CIRCUITS AND PACKAGES" described and claimed in the application filed herewith and in United States Provisional Patent Application No. 60/415,625, filed October 2, 2002 (hereinafter "said applications").

AND, WHEREAS, Neolinear, Inc., a corporation of the State of Delaware, having a place of business at 583 Epsilon Drive, Pittsburgh, Pennsylvania 15238, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said applications and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to us by said assignee, the receipt of which is hereby acknowledged, We do hereby assign, sell, transfer, and set over unto said assignee the entire right, title and interest in and to said applications and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all non-provisional patent applications, divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said applications and the inventions and improvements therein disclosed, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all non-provisional, divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

Date Sept. 26, 2003

Inventor Elias Fallon
ELIAS FALLON

Date Sept. 26, 2003

Inventor Rob A. Rutenbar
ROB A. RUTENBAR

ASSIGNMENT

WHEREAS, NEOLINEAR, INC., a corporation of the State of Delaware, having a place of business at 583 Epsilon Drive, Pittsburgh, Pennsylvania 15238, (hereinafter "assignor"), is the sole and exclusive owner, by assignment, of the United States Patent Application Serial No. 10/674,085, filed September 29, 2003, entitled "METHOD FOR GENERATING CONSTRAINED COMPONENT PLACEMENT FOR INTEGRATED CIRCUITS AND PACKAGES" and of the United States Provisional Patent Application Serial No. 60/415,625, filed October 2, 2002, entitled "AUTOMATED METHOD FOR GENERATING CONSTRAINED COMPONENT PLACEMENT FOR INTEGRATED CIRCUITS AND PACKAGES", and the inventions described therein; and

WHEREAS, CADENCE DESIGN SYSTEMS, INC., a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 2655 Seely Avenue, Building 5, San Jose, California 95134 (hereinafter referred to as the "assignee") is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon:

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) to be paid by assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, assignor has sold, assigned, and transferred, and does hereby sell, assign, and transfer the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all applications for Letters Patent in the United States of America and in all foreign countries and in all Patents in the United States of America and all foreign countries which may be granted therefore and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignees, for their own use and the use of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents, may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with the assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent or Patents of the United States on said inventions or resulting from said applications and any continuations, divisionals and reissues thereof to assignee as assignee of the entire interest, and hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements inconsistent herewith.

7/21/04

Date

RL Smith McKeithen
Name: R.L. Smith McKeithen
Title: Secretary